

Report No.:

Test Time: 2026-08-01 10:26

Luminaire Property

Luminaire Manufacturer:

Luminous Length (mm): -85

Voltage: 230.2 V

Power: 27.00 W

Luminous Width (mm): -85

Current: 0.122 A

Power Factor: 0.963

Photometric Results

CIE Class: Direct

Measurement Flux: 2951 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(50%): H42.9

Vertical Diffuse Angle(50%): V42.9

Luminaire Efficacy Rating (LER): 109.34

Max. Intensity: 6176.86 cd

S/MH(C0/C180): 0.73

Total Rated Lamp Lumens: 2951.0 lm

Efficiency: 100%

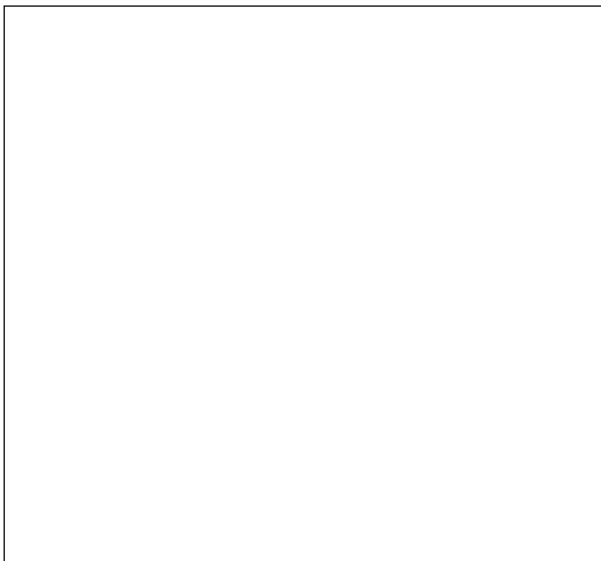
Upward Ratio: 0%

Central Intensity: 6045.69 cd

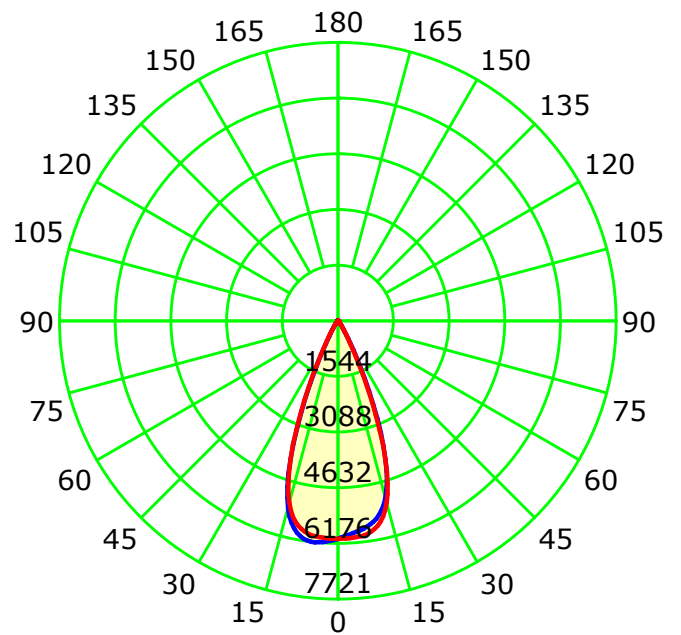
Pos of Max. Intensity: H180 V6

S/MH(C90/C270): 0.73

Picture Of Luminaire



Luminous Intensity Distribution Curve



Unit: cd

— C0-C180 — C90-C270

C Plane (°):0.0-180.0: 180.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0:1.0

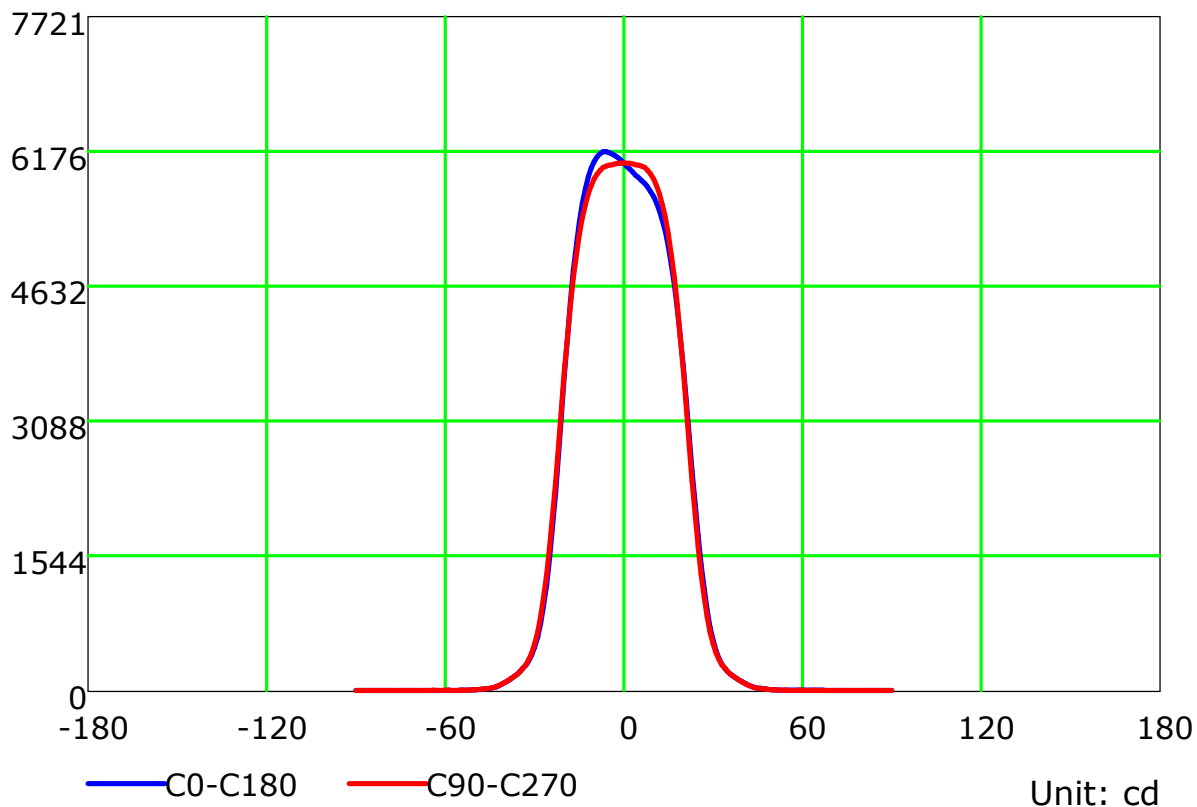
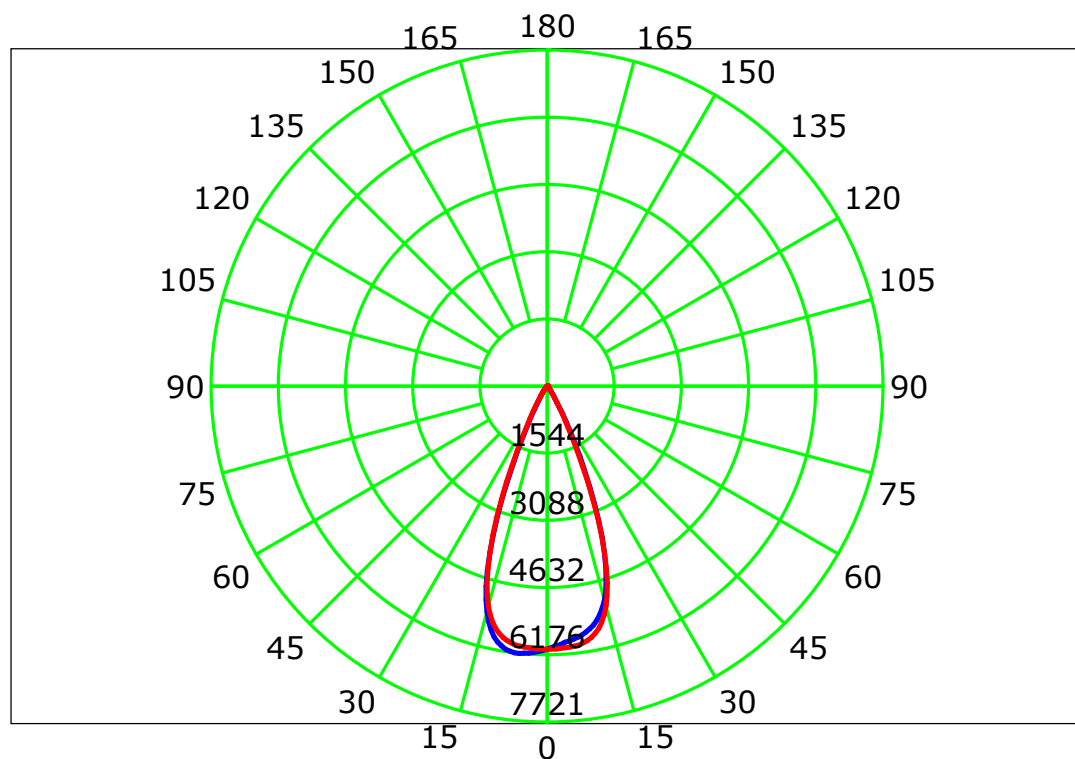
Test Device: CHL-6E

Distance: 3.010 m

Humidity:

Inspector:

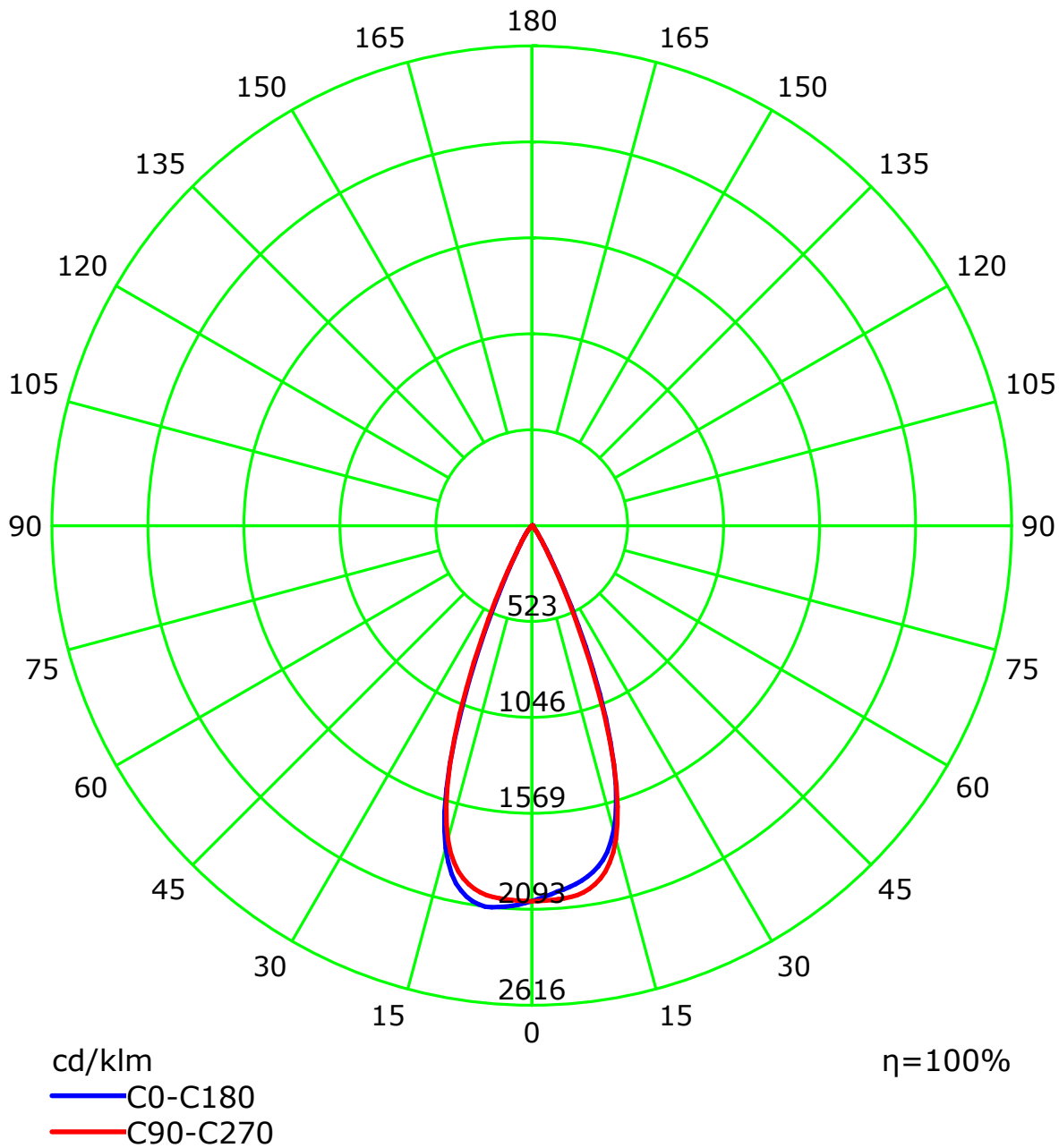
Luminous Intensity Distribution Curve



C Plane (°):0.0-180.0: 180.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°):0.0-90.0:1.0
Test Device: CHL-6E
Distance: 3.010 m
Humidity:
Inspector:

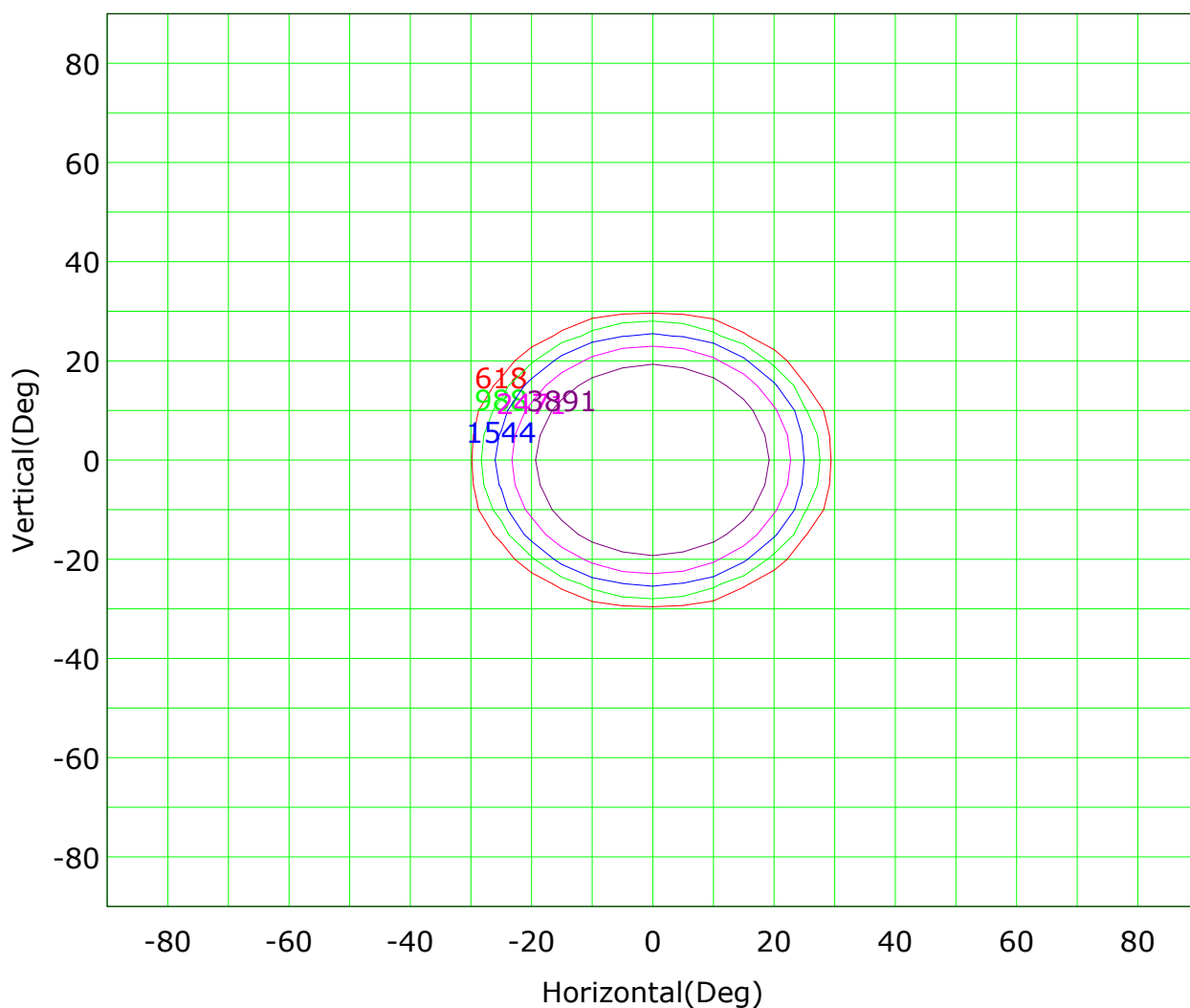
Luminous Intensity Distribution Curve(cd/klm)



C Plane (°):0.0-180.0: 180.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°):0.0-90.0:1.0
Test Device: CHL-6E
Distance: 3.010 m
Humidity:
Inspector:

Isocandela (rectangle)



Imax (100%): 6177 cd

(10%): 618 cd	(16%): 988 cd
(25%): 1544 cd	(40%): 2471 cd
(63%): 3891 cd	(100%): 6177 cd

C Plane (°):0.0-180.0: 180.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0:1.0

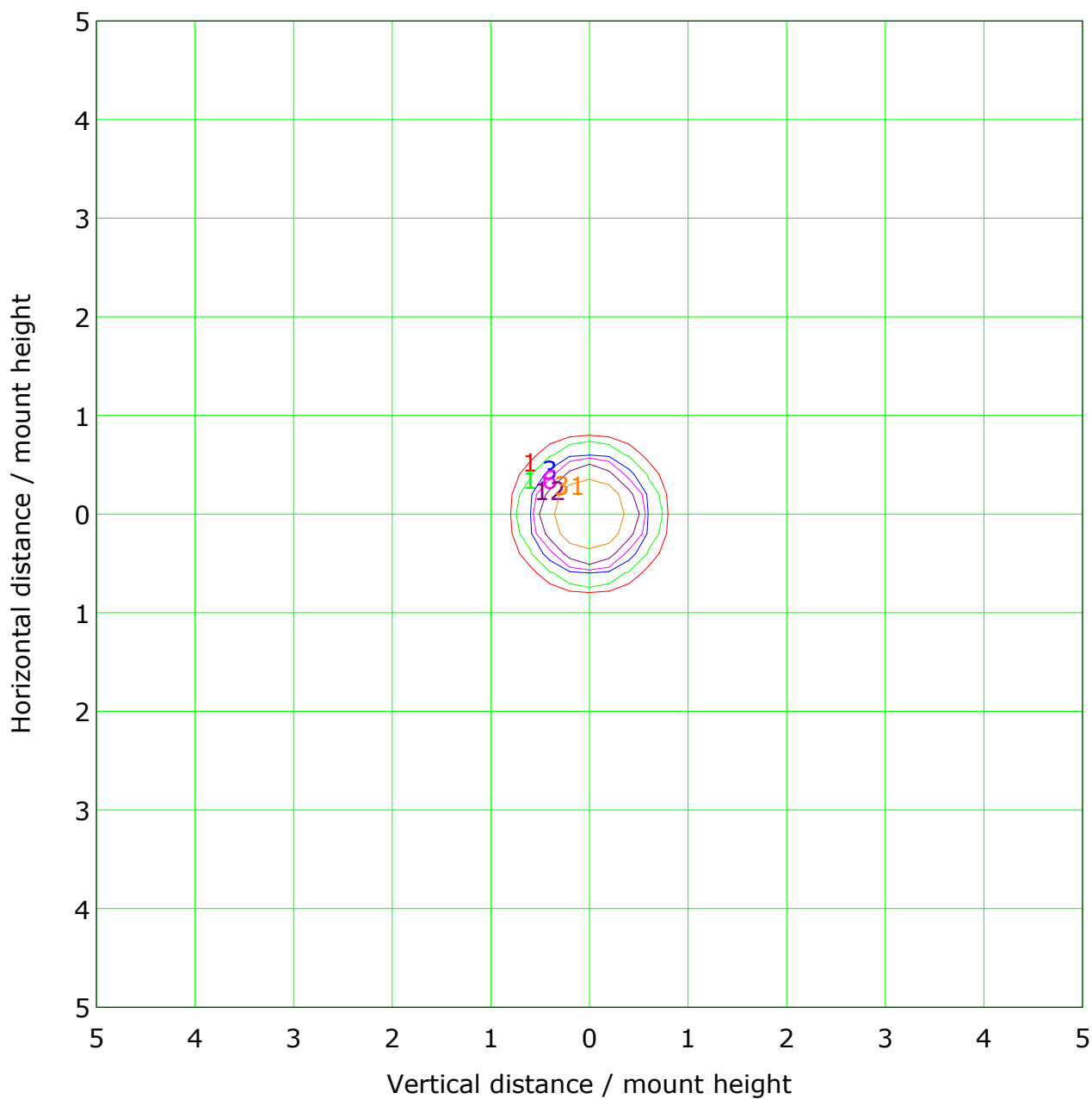
Test Device: CHL-6E

Distance: 3.010 m

Humidity:

Inspector:

IsoLux Plot

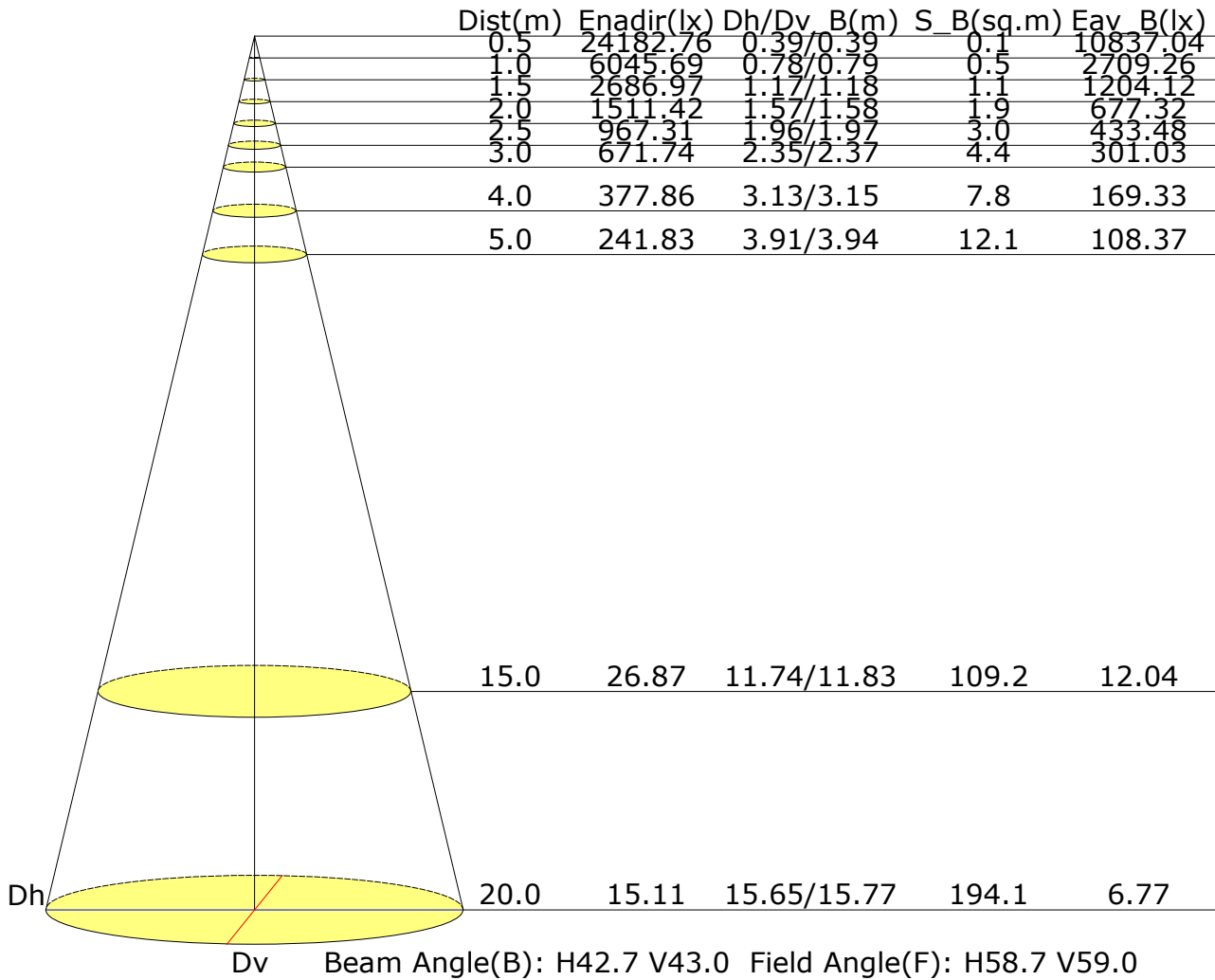


Mounting Height: 10.0m Max Lux(100%): 61.0 lx

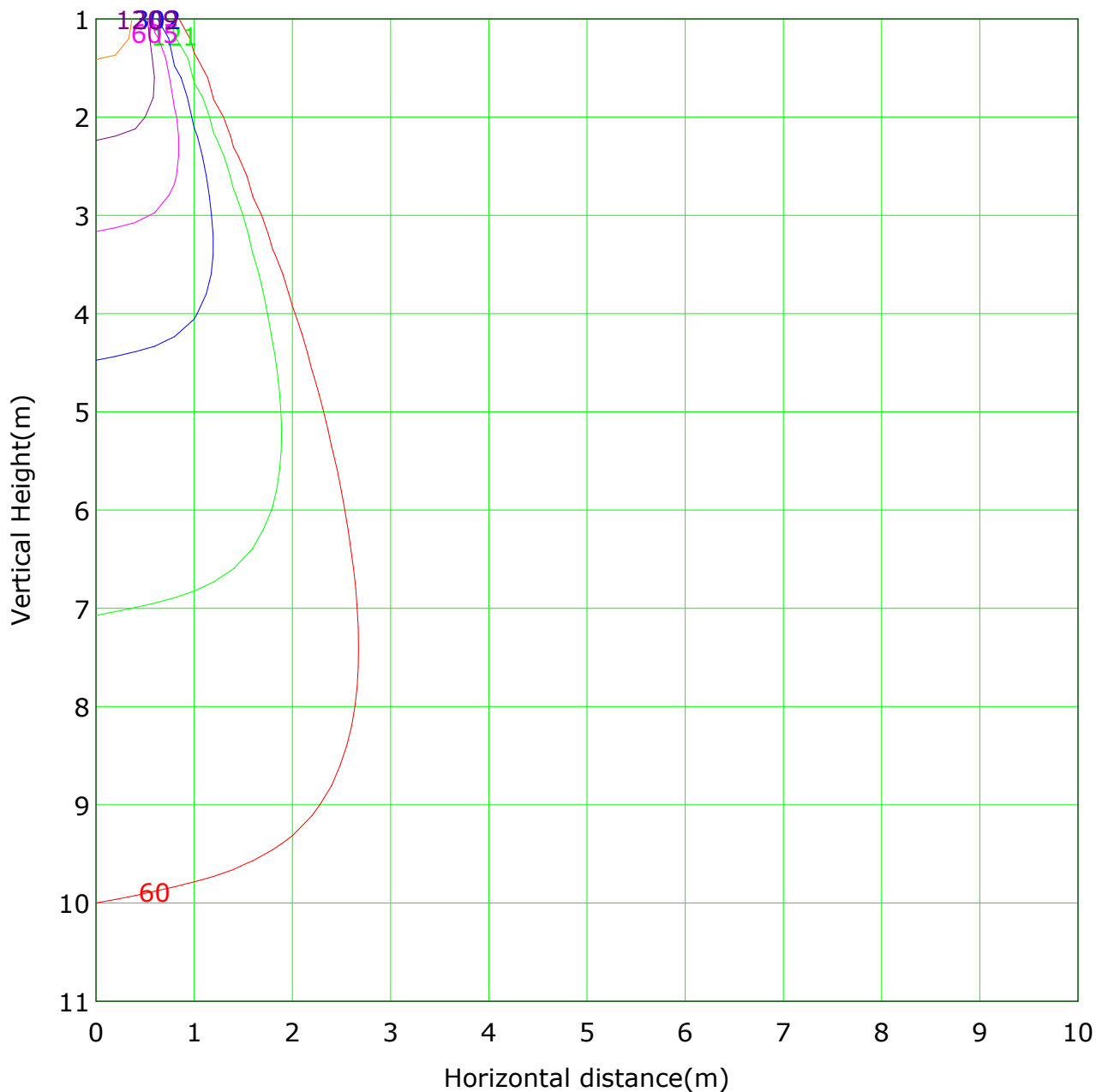
(1%): 0.6 lx	(2%): 1.2 lx
(5%): 3.1 lx	(10%): 6.1 lx
(20%): 12.2 lx	(50%): 30.5 lx
(100%): 61.0 lx	

Gamma Plane (°):0.0-90.0:1.0
Test Device: CHL-6E
Distance: 3.010 m
Humidity:
Inspector:

Illuminance at a Distance



Vertical IsoLux Plot



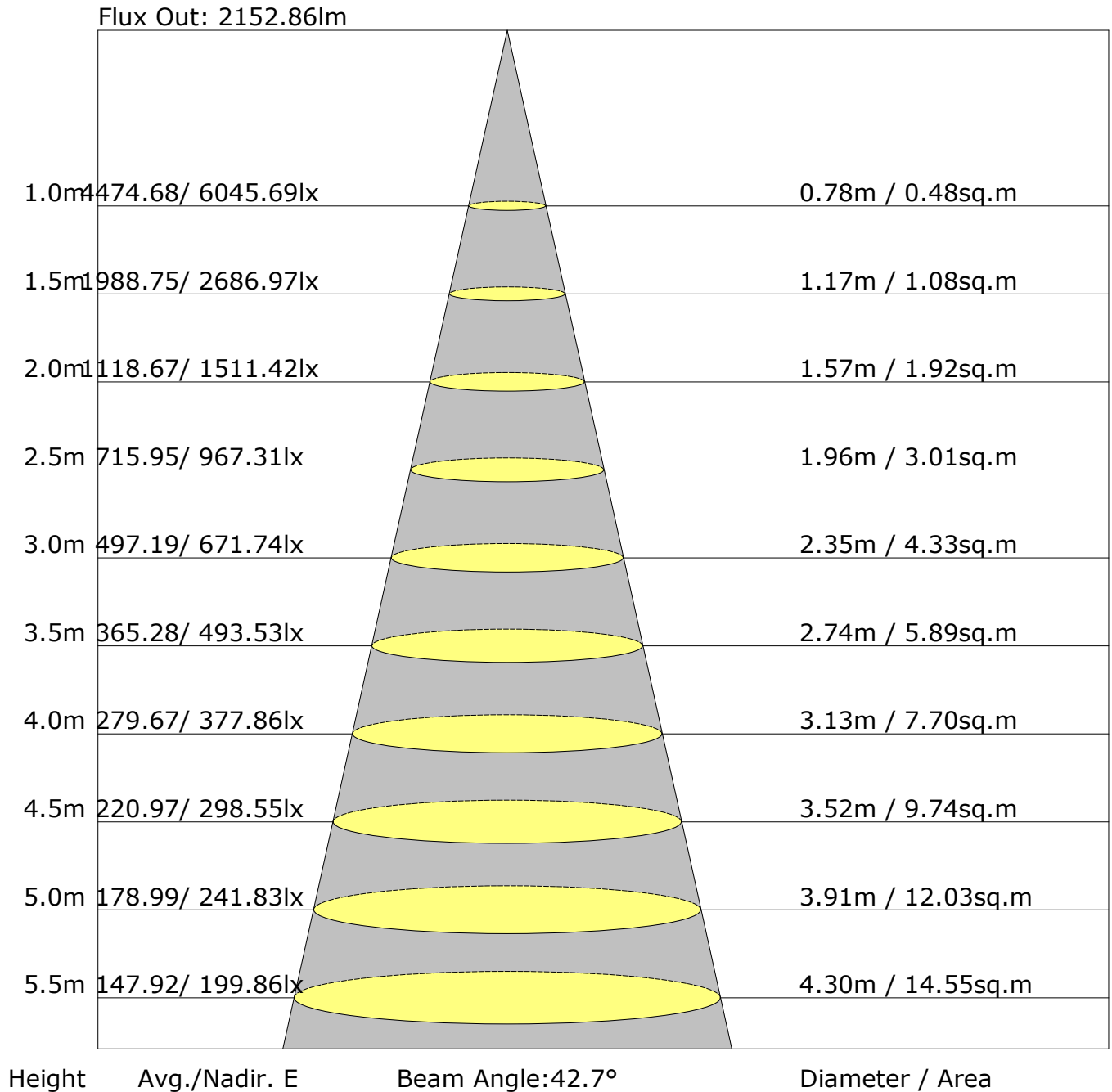
Lowest(m): 1.0m Highest(m): 11.0m Max Lux: 6045.7 lx
— (1%): 60.5 lx — (2%): 120.9 lx
— (5%): 302.3 lx — (10%): 604.6 lx
— (20%): 1209.1 lx — (50%): 3022.8 lx
— (100%): 6045.7 lx

C Plane (°): 0.0-180.0: 180.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°): 0.0-90.0: 1.0
Test Device: CHL-6E
Distance: 3.010 m
Humidity:
Inspector:

Gamma Plane (°):0.0-90.0:1.0
Test Device: CHL-6E
Distance: 3.010 m
Humidity:
Inspector:

The Average Illuminance Effective Figure



C Plane (°): 0.0-180.0: 180.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°): 0.0-90.0: 1.0
Test Device: CHL-6E
Distance: 3.010 m
Humidity:
Inspector:

UGR Table

Reflectance:										
Ceiling (cavity)	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
X=2H Y=2H	11.9	12.6	12.1	12.8	13.0	11.8	12.5	12.0	12.7	12.8
3H	11.8	12.4	12.1	12.6	12.9	11.6	12.3	11.9	12.5	12.7
4H	11.7	12.3	12.0	12.5	12.8	11.6	12.2	11.9	12.4	12.7
6H	11.6	12.2	12.0	12.5	12.7	11.5	12.0	11.8	12.3	12.6
8H	11.6	12.1	11.9	12.4	12.7	11.5	12.0	11.8	12.3	12.6
12H	11.6	12.1	11.9	12.4	12.7	11.4	11.9	11.8	12.2	12.5
X=4H Y=2H	11.7	12.3	12.0	12.5	12.8	11.6	12.2	11.9	12.4	12.7
3H	11.6	12.1	11.9	12.4	12.7	11.4	11.9	11.8	12.2	12.6
4H	11.5	11.9	11.9	12.3	12.6	11.4	11.8	11.7	12.1	12.5
6H	11.4	11.8	11.8	12.2	12.6	11.3	11.7	11.7	12.0	12.4
8H	11.4	11.7	11.8	12.1	12.5	11.2	11.6	11.6	12.0	12.4
12H	11.3	11.6	11.7	12.0	12.5	11.2	11.5	11.6	11.9	12.3
X=8H Y=4H	11.4	11.7	11.8	12.1	12.5	11.2	11.6	11.6	12.0	12.4
6H	11.3	11.5	11.7	12.0	12.4	11.1	11.4	11.6	11.8	12.3
8H	11.2	11.5	11.7	11.9	12.4	11.1	11.3	11.5	11.8	12.3
12H	11.2	11.4	11.6	11.9	12.3	11.0	11.3	11.5	11.7	12.2
X=12H Y=4H	11.3	11.6	11.7	12.0	12.5	11.2	11.5	11.6	11.9	12.3
6H	11.2	11.5	11.7	11.9	12.4	11.1	11.3	11.5	11.8	12.3
8H	11.2	11.4	11.6	11.9	12.3	11.0	11.3	11.5	11.7	12.2
Variations with the observer position at spacings:										
S=1.0H	+5.6/-12.4					+5.6/-13.2				
S=1.5H	+8.4/-12.9					+8.4/-13.5				
S=2.0H	+10.4/-16.5					+10.4/-18.7				

Calculate in accordance with CIE Pub.117. The table is revised with 2951lm ($8\log(F/F_0) = 3.8$).

C Plane (°):0.0-180.0: 180.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°):0.0-90.0:1.0
Test Device: CHL-6E
Distance: 3.010 m
Humidity:
Inspector:

FLUX DISTRIBUTION TABLE BASED ON THE IESNA LUMINAIRE CLASSIFICATION SYSTEM

	ZONE	LUMENS	% LAMP LUMENS
	FORWARD LIGHT	1477	50.0
	FL (0°-30°)	1383	46.9
	FM (30°-60°)	92	3.1
	FH (60°-80°)	2	0.1
	FVH (80°-90°)	0	0.0
	BACK LIGHT	1474	50.0
	BL (0°-30°)	1384	46.9
	BM (30°-60°)	90	3.0
	BH (60°-80°)	1	0.0
	BVH (80°-90°)	0	0.0
	UP LIGHT	0	0.0
	UL (90°-100°)	0	0.0
	UH (100°-180°)	0	0.0
	TRAPPED LIGHT	NA	NA

BUG(Backlight,Uplight,Glare) Rating Base On TM-15-07	
Asymmetrical Luminaire Types (Type I,II,III,IV)	B3 U0 G0
Quadrilateral Symmetrical Luminaire Types (Type V,Area Light)	B3 U0 G0

C Plane (°):0.0-180.0: 180.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°):0.0-90.0:1.0
Test Device: CHL-6E
Distance: 3.010 m
Humidity:
Inspector:

Zonal Lumen

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
0.0-1.0	6043.8	5.8	5.8	0.20	0.20
1.0-2.0	6041.5	17.3	23.1	0.59	0.78
2.0-3.0	6038.5	28.9	52.0	0.98	1.76
3.0-4.0	6031.0	40.4	92.4	1.37	3.13
4.0-5.0	6023.1	51.8	144.2	1.76	4.89
5.0-6.0	6015.5	63.2	207.4	2.14	7.03
6.0-7.0	6002.7	74.5	282.0	2.53	9.55
7.0-8.0	5978.6	85.6	367.5	2.90	12.45
8.0-9.0	5941.7	96.3	463.8	3.26	15.72
9.0-10.0	5891.2	106.6	570.5	3.61	19.33
10.0-11.0	5824.8	116.4	686.9	3.94	23.28
11.0-12.0	5741.1	125.5	812.4	4.25	27.53
12.0-13.0	5633.0	133.7	946.1	4.53	32.06
13.0-14.0	5493.9	140.6	1086.7	4.77	36.83
14.0-15.0	5322.0	146.1	1232.8	4.95	41.78
15.0-16.0	5113.2	149.8	1382.7	5.08	46.86
16.0-17.0	4864.1	151.5	1534.2	5.13	51.99
17.0-18.0	4572.3	150.8	1685.0	5.11	57.10
18.0-19.0	4235.8	147.4	1832.4	4.99	62.09
19.0-20.0	3859.2	141.3	1973.6	4.79	66.88
20.0-21.0	3452.2	132.6	2106.2	4.49	71.37
21.0-22.0	3028.9	121.7	2227.9	4.13	75.50
22.0-23.0	2605.6	109.3	2337.3	3.71	79.20
23.0-24.0	2200.0	96.2	2433.5	3.26	82.46
24.0-25.0	1827.3	83.1	2516.6	2.82	85.28
25.0-26.0	1493.0	70.5	2587.1	2.39	87.67
26.0-27.0	1202.4	58.8	2645.9	1.99	89.66
27.0-28.0	959.2	48.6	2694.5	1.65	91.31
28.0-29.0	760.6	39.8	2734.3	1.35	92.66
29.0-30.0	603.1	32.6	2766.8	1.10	93.76
30.0-31.0	483.6	26.9	2793.7	0.91	94.67
31.0-32.0	394.3	22.6	2816.3	0.77	95.44
32.0-33.0	326.0	19.2	2835.5	0.65	96.09
33.0-34.0	274.8	16.6	2852.2	0.56	96.65
34.0-35.0	234.8	14.6	2866.8	0.49	97.15
35.0-36.0	201.3	12.8	2879.6	0.43	97.58

C Plane (°):0.0-180.0: 180.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°):0.0-90.0:1.0
Test Device: CHL-6E
Distance: 3.010 m
Humidity:
Inspector:

Zonal Lumen (Continue 1)

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
36.0-37.0	173.0	11.3	2890.9	0.38	97.96
37.0-38.0	148.1	9.9	2900.7	0.34	98.30
38.0-39.0	125.5	8.6	2909.3	0.29	98.59
39.0-40.0	104.8	7.3	2916.6	0.25	98.84
40.0-41.0	85.6	6.1	2922.7	0.21	99.04
41.0-42.0	67.5	4.9	2927.6	0.17	99.21
42.0-43.0	52.0	3.9	2931.5	0.13	99.34
43.0-44.0	40.3	3.0	2934.5	0.10	99.44
44.0-45.0	31.3	2.4	2936.9	0.08	99.52
45.0-46.0	26.4	2.1	2939.0	0.07	99.59
46.0-47.0	23.4	1.9	2940.8	0.06	99.66
47.0-48.0	18.1	1.5	2942.3	0.05	99.71
48.0-49.0	13.6	1.1	2943.4	0.04	99.74
49.0-50.0	11.3	0.9	2944.4	0.03	99.78
50.0-51.0	9.0	0.8	2945.1	0.03	99.80
51.0-52.0	6.0	0.5	2945.6	0.02	99.82
52.0-53.0	4.5	0.4	2946.0	0.01	99.83
53.0-54.0	4.9	0.4	2946.5	0.01	99.85
54.0-55.0	4.9	0.4	2946.9	0.01	99.86
55.0-56.0	3.8	0.3	2947.2	0.01	99.87
56.0-57.0	3.0	0.3	2947.5	0.01	99.88
57.0-58.0	3.0	0.3	2947.8	0.01	99.89
58.0-59.0	3.8	0.4	2948.2	0.01	99.90
59.0-60.0	4.1	0.4	2948.5	0.01	99.92
60.0-61.0	3.4	0.3	2948.9	0.01	99.93
61.0-62.0	3.0	0.3	2949.2	0.01	99.94
62.0-63.0	3.0	0.3	2949.5	0.01	99.95
63.0-64.0	3.4	0.3	2949.8	0.01	99.96
64.0-65.0	3.0	0.3	2950.1	0.01	99.97
65.0-66.0	2.3	0.2	2950.3	0.01	99.98
66.0-67.0	2.6	0.3	2950.6	0.01	99.99
67.0-68.0	1.9	0.2	2950.8	0.01	99.99
68.0-69.0	0.8	0.1	2950.8	0.00	100.00
69.0-70.0	0.8	0.1	2950.9	0.00	100.00
70.0-71.0	0.4	0.0	2951.0	0.00	100.00
71.0-72.0	0.0	0.0	2951.0	0.00	100.00

C Plane (°):0.0-180.0: 180.0
Test Lab:
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Gamma Plane (°):0.0-90.0:1.0
Test Device: CHL-6E
Distance: 3.010 m
Humidity:
Inspector:

Gamma Plane (°):0.0-90.0:1.0
Test Device: CHL-6E
Distance: 3.010 m
Humidity:
Inspector:

Candlepower Table

Unit: cd

G\C	C0.0	C180.0								
G0.0	6045.7	6045.7								
G1.0	6008.0	6075.8								
G2.0	5976.3	6106.0								
G3.0	5943.2	6128.6								
G4.0	5902.5	6149.7								
G5.0	5876.8	6163.3								
G6.0	5845.2	6176.9								
G7.0	5812.0	6176.9								
G8.0	5771.3	6154.2								
G9.0	5720.0	6121.1								
G10.0	5661.2	6062.3								
G11.0	5588.9	5986.9								
G12.0	5501.4	5887.4								
G13.0	5389.9	5753.2								
G14.0	5252.7	5579.8								
G15.0	5086.8	5368.8								
G16.0	4883.3	5114.0								
G17.0	4646.6	4812.4								
G18.0	4372.2	4458.1								
G19.0	4061.6	4051.1								
G20.0	3704.3	3619.9								
G21.0	3322.9	3161.6								
G22.0	2920.3	2710.8								
G23.0	2519.3	2272.0								
G24.0	2131.8	1877.0								
G25.0	1776.0	1524.2								
G26.0	1451.9	1219.7								
G27.0	1166.9	970.9								
G28.0	927.2	771.9								
G29.0	728.2	615.1								
G30.0	572.9	496.0								
G31.0	456.8	408.6								
G32.0	367.9	343.8								
G33.0	301.5	291.0								
G34.0	253.3	253.3								
G35.0	215.6	217.1								
G36.0	185.4	186.9								

C Plane (°):0.0-180.0: 180.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0:1.0

Test Device: CHL-6E

Distance: 3.010 m

Humidity:

Inspector:

Candlepower Table (Continue 1)

Unit: cd

G\C	C0.0	C180.0								
G37.0	159.8	159.8								
G38.0	137.2	135.7								
G39.0	116.1	113.1								
G40.0	96.5	93.5								
G41.0	78.4	73.9								
G42.0	60.3	57.3								
G43.0	48.2	42.2								
G44.0	36.2	34.7								
G45.0	28.6	25.6								
G46.0	27.1	24.1								
G47.0	22.6	19.6								
G48.0	16.6	13.6								
G49.0	12.1	12.1								
G50.0	10.6	10.6								
G51.0	7.5	7.5								
G52.0	4.5	4.5								
G53.0	4.5	4.5								
G54.0	4.5	6.0								
G55.0	4.5	4.5								
G56.0	4.5	1.5								
G57.0	4.5	1.5								
G58.0	4.5	1.5								
G59.0	4.5	4.5								
G60.0	4.5	3.0								
G61.0	4.5	1.5								
G62.0	4.5	1.5								
G63.0	4.5	1.5								
G64.0	6.0	1.5								
G65.0	4.5	0.0								
G66.0	4.5	0.0								
G67.0	4.5	1.5								
G68.0	1.5	0.0								
G69.0	1.5	0.0								
G70.0	1.5	0.0								
G71.0	0.0	0.0								
G72.0	0.0	0.0								
G73.0	0.0	0.0								

C Plane (°):0.0-180.0: 180.0

Test Lab:

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Gamma Plane (°):0.0-90.0:1.0

Test Device: CHL-6E

Distance: 3.010 m

Humidity:

Inspector:

Unit: cd

Inspector: